

Claims:

1. A wireless network environment , comprising:

a plurality of classes of wireless clients, each class of wireless clients having unique identifiers and attributes independent of other classes of wireless clients within the wireless network environment; and

a wireless client independent wireless server coupled to communicate with said classes of wireless clients to provide a series of services available on said server, said classes of wireless clients issuing service requests to the wireless server via established communication links and protocols within the network;

and

wherein one of said services comprise automatic client type detection using extensible parameters.

2. The wireless network environment of Claim 1, wherein said automatic client detection comprises client aware detection logic for automatically detecting client specific attributes from service requests issued to said wireless server from a wireless client within any of the classes of wireless clients.

3. The wireless network environment of Claim 2, wherein said wireless server further includes a wireless client data storage logic coupled to said wireless detection logic to store client data objects which uniquely define each client within said class of clients.

4. The wireless network environment of Claim 2, wherein said client detection logic detects clients specific attributes of a wireless client seeking services from the wireless server by examining the hypertext transport protocol header from the client's request.

5. The wireless network environment of Claim 2, wherein said client detection logic comprises client data distinguishing logic for distinguishing between predefined client information pertaining to a client within any of said classes of wireless clients stored in said client data storage logic and client data information which is dynamically extracted by said client detection logic.

6. The wireless network environment of Claim 4, wherein said client detection logic is extensible to dynamically gather client specific information as said client issues service requests to said wireless server.

7. The wireless network environment of Claim 6, wherein said client detection logic extracts client specific attributes from said client's user-agent Hyper Text Transport Protocol header from the client's request to the wireless server.

8. The wireless network environment of Claim 7, wherein said client detection logic extracts client specific attributes from headers other than the user-agent header in the client's Hyper Text Transport Protocol request.

9. A wireless server for handling a plurality of wireless service requests from a plurality of wireless clients each having unique identifying attributes, said wireless server comprising:

a wireless extensible client aware detector;

a wireless client data storage coupled to said extensible wireless client aware detector; and

a wireless server session service coupled to said extensible wireless client aware detector.

10. The wireless server of Claim 9, wherein said wireless client detector is capable of extracting client specific data to uniquely identify wireless clients requesting services from said wireless server.

5

11. The wireless server of Claim 10, wherein the wireless client detector comprises logic to differentiate predefined data pertaining to a particular wireless clients stored in the wireless server from client specific data dynamically extracted at client run-time.

10

12. The wireless server of Claim 11, wherein the wireless client data storage stores client predefined data objects for a known class of wireless clients which connect to the wireless server.

15

13. The wireless server of Claim 11, wherein the client aware detector comprises client request deciphering logic for parsing client service request headers to determine whether data pertaining to a specific client requesting service from the wireless server is already available in the wireless server or not.

20

14. The wireless server of Claim 13, wherein the client aware detector further comprises client data extensible logic for dynamically extracting clientType information which is not already stored in the wireless server from the client request headers.

25

15. The wireless server of Claim 14, wherein said clientType information defines a logical group of clients uniquely identified by an extensible list of properties common to the group.

16
15. A wireless server system, comprising:

a plurality of extensible definition files, each definition file for providing detection for a class of wireless clients that communicate with said wireless server system; and

5 an automatic detection system, coupled to access said plurality of extensible definition files, for applying a particular definition file to a particular wireless client for automatically detecting the class of said particular wireless client, wherein said particular definition file comprises information found within a service request of said wireless client that allows said detecting thereof.

10

17. The wireless server system of Claim 16, wherein said automatic detection system is rendered capable of recognizing a new client class by the addition of a corresponding new definition file to said plurality of extensible definition files.

15 18. The wireless server system of Claim 16, wherein said information found within said service request includes information found within an agent header of said service request.

19. The wireless server system of Claim 16, wherein said information found within said service request comprises the time of day of said service request.

20 20. The wireless server system of Claim 16, wherein said information found within said service request comprises communication bandwidth of said service request.

25

21. The wireless server system of Claim 18, wherein said information found within said service request further comprises the time and date of said service request.

22. The wireless server system of Claim 21, wherein said information found within said service request further comprises communication bandwidth of said service request.

23. A client aware method of detecting wireless clients within a wireless network attempting to connect to a wireless server, comprising the steps of:
receiving client service requests from a plurality of clients connecting to the wireless server; and

parsing header information in said wireless client service requests to automatically extract client specific information and comparing said client specific information to extensible parameters in order to detect said wireless client that is attempting to connect to said wireless server.

24. The method of Claim 23, wherein the information extracted from said wireless client service requests may be information common to a group of clients within said plurality of wireless clients.

25. The method of Claim 23, further including a step of dynamically adding new parameters extracted from the wireless client's service requests to detect said clients by the wireless server.

26. The method of Claim 24, wherein user-agent header information is parsed to detect the characteristics of the wireless client connecting to said wireless server.

5 27. The method of Claim 24, wherein header information other than user-agent headers is extracted from said wireless client service request to detect the wireless client connecting to said wireless server.

28. The method of Claim 23, wherein said extensible parameters comprise
10 definitions found in header information of a client's browser.

29. The method of Claim 28, wherein said extensible parameters further
comprise definitions of time of day requests and client communication
bandwidth of a client.

15